

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: HAMRLUND@aol.com  
Subject: 69 XTALS 1 1/8" WIDE X 3/8" THICK SOLD  
Message-ID: <950723100958\_120993848@aol.com>

THESE ARE GONE.

THANKS

ROBERT

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: jproc@worldlinx.com  
Subject: AN/URR504 Receiver  
Message-ID: <Chameleon.4.01.2.950723131949.jproc@>

Dear BA's,

Recently, a UHF AM receiver was donated to the ship. It's nameplate is stamped AN/URR504 (R-5036/URR504) and it was made by EMI Cossor Electronics. In all respects, it looks absolutely identical to the AN/URR35A receiver. This being the case, why would there be another AN model designation for what appears to be identical equipment? Are there cases where there is a major designation change if different contractors are producing the same piece of equipment?

Here's another question - I fired up the unit and I can faintly hear amateur operations around 222 Mhz. This is also the first time that I am monitoring this band. I thought that all amateurs converted to FM voice operations on VHF and UHF frequencies. Is anyone still running VHF/UHF AM on 'gentlemen's frequencies'?

Regards,

-----  
Jerry Proc VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida Toronto, Ontario  
-----

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: Grant Youngman <gyoungma@gtetel.com>  
Subject: Another Collins Filter Type  
Message-ID: <Chameleon.4.01.2.950723114546.gyoungma@gyoungma.gtetel.com>

Thanks to Jim Ryback and Ray Mote for the Collins mech. filter list.

Prompted me to poke around in my (albeit small) larder. And I came up with one filter that's NOT on the list. Its a F455D-31, p/n 522-9056-002. Its a bathtub style similar to the "F" suffix, probably 3.1KHz. Anyone have any additional info on this one?

Also found a matched pair of 2.7KHz USB/LSB Collins filters -- maybe its time to start that ISB IF strip project. And a dual 100Hz/1KHz (455KHz) crystal filter (p/n 09-682629-1) made by TMC Systems, Inc.

Grant/NQ5T

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: Robert2039@aol.com  
Subject: ART-13 differences & my Zenith Trans Oceanics  
Message-ID: <950722223344\_120819120@aol.com>

I have a pair of AN/ART-13's. One has a 200 to 500khz low frequency section while the other just has a plate where the "low freq" parts go. Anybody know why these differences exist? As to my Trans Oceanics, I collect the tube models (have 3!). I installed the Antique Electronic Supply battery adapter in one so I could take it with me & run it off alkaline D cells. I was listening to either the BBC or Radio Austraila in Houstons Hermann park recently while eating my lunch when this 60's year old guy walks up to me pointing to my radio and say's "Where did you get that? I carried one of those with me in world war 2!" I'll never forget the joyful expression on his face. He even asked if he could buy my set but I politely said no, and "kinda" white lied when I told him those are very hard to find when in reality one shows up in my Houston Vintage Radio Club auctions every now and then. Although not as often as I would like! No, I haven't bought every set. Some are dupes of what I already have, others are just in poorer shape than I would like while the rest went too high in the auction price! I wouldn't pay more than about \$100 myself but others have paid \$250 and once \$300 for one. They nomally go anywhere from \$50 to \$200 apiece. Makes a very nice portable BA even though it's not heavy like a lot of tube sets are!

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: k1zat@bah.com  
Subject: BA Joints in Silicon Valley  
Message-ID: <Pine.SUN.3.91.950723121937.14801B-100000@booz.bah.com>

I'll be in San Jose/Santa Clara this week, any BA joints of interest there ?

jd

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: JosephWP@aol.com  
Subject: BA places in GA  
Message-ID: <950723090027\_120977974@aol.com>

I will be traveling through Georgia this week.

Any BA places (or mil surplus places) there - particularly near Warner Robbins???

73

Joseph Pinner  
KC5IJD

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: Henry van Cleef <vancleef@bga.com>  
Subject: Re: CFV: rec.audio.tubes  
Message-ID: <199507230329.WAA02989@zoom.bga.com>

As michael silva said

>

> I think my poorly-worded response regarding rec.audio.tubes may have  
> alarmed some with my reference to BAs. What I really -meant- to say  
> was that it appeared from the list of topics in the CFV that  
> rec.audio.tubes would have more leeway to discuss tube technology and  
> circuitry than the name suggested. I still hope that turns out to be  
> the case. Using the term "BA-related" perhaps implied a "hijacking"  
> that I didn't intend. I was actually surprised at the broad language  
> in the CFV, given the group name.

>

I see by looking at your original posting that you are quoting someone else who said that they were voting "no" because this was being proposed as an audio group rather than a sci.electronics group.

The proponents feel that home-entertainment audio in general and audio equipment used for guitars, etc. need space. And, as I have mentioned, the rec.antiques.radio+phono group does not welcome discussion of FM stereo receivers, which a lot of people think of as

"audio" equipment. I think if the proposed charter conflicts with anything, it is with the rec.antiques.radio+phono group, inasmuch as that group has attracted very substantial discussion of design engineering.

So far as I can see, the major vacuum tube equipment of the 1920-75 period that will not have coverage on Usenet, if this group passes, will be broadcast transmitters, instrumentation, television receivers, and vacuum tube amateur radio equipment. In practise, broadcast radio transmitters are discussed to some degree in both rec.antiques.radio+phono and this mail list, and instrumentation as well. There is no great ground swell of desire for a group devoted to anything but very early TV sets that I can see, and we have them in the rec.antiques group. If there is a desire to create a Usenet newsgroup for vacuum tube amateur radio electronics, I think that is something completely different from home entertainment audio iron, and no one mentioned it during the RFD period.

I don't doubt that this new group is going to attract a lot of the green pen psychoacoustic crowd who seem to believe that electrical engineering is best done by examining the state of the moon, sheep entrails, tea leaves. I only know of one competent engineer on the rec.antiques.radio+phono newsgroup who is likely to be involved with this new group. There may be more, but most of us who deal with ohms law for money have relied on Texas Instruments, etc. for audio equipment active components, and have some pretty strong notions that were we to propose vacuum tube solutions to things to our employers for new design we'd be considered addled, if not downright incompetent. We play with the tube stuff because it's fun and not full of undecipherable ROMS, tamper-proof torx screws, and "no user-serviceable components inside."

In short, I don't know what justifies a "no" vote coming from readers of this group. The only opposition to the name as proposed in the RFD's was to "tubes" vs. "valves," and there was no groundswell, either of complaint or support, for something to accomodate the British terminology.

I've made no secret of the fact that I support creation of this group, primarily because it gives the 1950-present tube audio fan and guitar amplifier crowds a "home" and relieves some pressure on rec.antiques.radio+phono. Someone else cross-posted the CFV here, no doubt in hopes of picking up some "yes" votes. If there is some need for Usenet newsgroups to support other aspects of vacuum tube technology, then someone needs to identify just what those are, and they should be proposed, discussed, and voted on with their own charters.

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\*\*\*\*\*  
Hank van Cleef vancleef@bga.com vancleef@tmn.com  
\*\*\*\*\*

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: durham@w2xo.pgh.pa.us (James C. Durham)  
Subject: Re: CONELRAD  
Message-ID: <199507230425.AAA03892@w2xo.pgh.pa.us>

Dick Dillman <ddillman@igc.apc.org> wrote:

(liberal deletions)

>put me in mind of the system the markings were put there *\*for\**. This was  
>of course CONELRAD which, as we all know, stood for Control of  
>Electro-magnetic Radiation.

>The theory was that all stations would go off the air except for selected  
>stations on 640 and 1240 Kc/s, and none of these stations would stay on the  
>air permanently. Instead, the same audio programming would be sent to all  
>stations and they would come on and off the air at intervals, thus making  
>the signals useless for navigation.

>I remember hearing a test of the system once in the late 50s. It was most  
>strange sounding, almost like a high frequency flutter, but the audio could  
>be copied 100%.

>questions I've always had about CONELRAD. For example, were selected  
>stations required to have separate 640 or 1240 transmitters or did stations  
>near those channels re-tune? How were the transmitters synchronized to go  
>on and off the air - or was it random? How was the audio programming fed  
>to the stations?

Stations were assigned to either 640 or 1240 depending on which frequency  
their antennas could be coerced to radiate. Directional stations with many  
tuning networks in their systems had a hard time moving very far or the  
networks would refuse to pass RF.

All the stations in an area were fed from special Conelrad phone lines  
originating at some central location.

I *\*think\** I remember that the sequencing went by some time rules. It  
may have been as simple as... Station A transmits from 0-5 past, Station B  
transmits from 5-10 past ...etc, etc in a round robin. I don't remember  
there being any way of getting timing information, so it must have been

a "clock" deal, but it's been so long I just can't remember the details.

Low power stations usually went off the air during Conelrad alerts and tests. Only the high-power stations stayed on in the round robin. I was in Cleveland at the time, and I think it was WTAM, WGAR, WDOK and WHK on 1240, and WJW, and maybe WJMO on 640?? Been too long....

-Jim Durham, W2X0

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: howellh@acad.winthrop.edu  
Subject: Conelrad  
Message-ID: <95072303375490@acad.winthrop.edu>

WINTHROP UNIVERSITY

Electronic Mail Message

Date: 23-Jul-1995 03:22am EDT  
From: Haney Howell  
HOWELLH  
Dept: Mass Communication  
Tel No: 323-4534

TO: Remote Addressee ( \_smtp%"boatanchors@theporch.com" )

Subject: Conelrad

Ah, yes, the Conelrad monitor! The terror of coffeepot stations in the mountains that couldn't hear the key station during the day! Of course, we were convinced that Copperhill, Tennessee was in the center of a bulls-eye. The real fear was the FCC inspector. He always seemed to head straight for that rack, which was jury-wired to keep the damned alarm from blasting half the day.

George, I got my First Phone when I was eighteen, and am proud of it. However, my incentive was to snare on-air jobs at bigger stations on the overnight shift. More than once I wondered if I (or anyone) could pull off the instructions pinned to the wall of the WPLO transmitter site in Atlanta!

We had weekly bomb drills at school. Into the hall, onto your knees, hands behind your neck. I was also in the Ground Observer Corp. Wonderful old DF and monitoring surplus. We filled a gap in the ATC system and it was a lot of fun calling in the contacts. Always wondered which one was carrying the bomb.

I joined any group that had the right toys. The CAP search operations (we had lots of them in the mountains) looked like Normandy. L-19s on the ramp, boatanchors on the tables and people running around in ill-fitting uniforms. I

had the local squadron's radio in my shack at home. The net control ran a BC-610 into a loop from the top of Lookout Mountain in Chattanooga. Sounded like the voice of God!

Haney/N02N

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: "Dick Dillman" <ddillman@igc.apc.org>  
Subject: Re: CONELRAD Techniques  
Message-ID: <83700.ddillman@igc.apc.org>

On Sat, 22 Jul 1995 20:50:14 -0500 (CDT),  
TOM.A.ADAMS@mail.admin.wisc.edu <TOM.A.ADAMS@mail.admin.wisc.edu> wrote:

> Re. CONELRAD transmitters:  
>  
> In a Continental catalogue, I was surprised to find in the list of options  
>for thier 50 KW AM rig a CONELRAD kit. In the event of attack this monster rig  
>could be dragged halfway across the band from it's assigned frequency to 640  
>or 1240 KHz in under 2 minutes. Presumably, the antenna systems of CONELRAD  
>stations had sepearate feed systems to present a reasonable feedpoint imped-  
>ance at both the normal assigned frequency and the chosen CONELRAD frequency.  
>On that subject, I'd imagine that CONELRADS were operated as nondirectional  
>patterns; setting up a directional array to give it's designed pattern at two  
>widely seperated frequencies would be an engineering nightmare.

Wow! I considered that existing transmitters might be re-tuned but immediately rejected the idea, figuring it was just out of the question in the real world. But man, I would have liked to have seen that 50kW Continental QSY!

> An extension cable from the AP Telco circuit was run from the news room to  
>the transmitter building, and a teletypewriter was temporarily set up next to  
>the operator's desk to ensure the operators got the ten bell alert signal if  
>it came in. The "Red Envelope" was already opened, and the alert authenticator  
>list it contained was taped to the front panel of the transmitter, next to the  
>clipboard that hung there for meter readings.

>  
> Him and the rest of the transmitter staff were scared to death for over a  
>week as Kennedy and Krushiev sparred over the missles, but they were ready to  
>go if they had to.

It's those of us "underlings" - and by that I mean those of us who actually make the stuff work - who are often in these odd, scary positions.

> I can understand thier fear. I'm a "baby boomer" who grew up listening to  
>the "Duck and Cover" jingles. In grade school we were terrified by air raid

>drills. I can remember the early '50s when conscience stricken atomic scientists bought TV prime time to beg the public to write their elected representatives to help stop the Cold War and arms race. The word CONELRAD could give a seven year old nightmares; mine was a generation that was certain that we'd never live to see adulthood, and that there was nothing we could do about it. We KNEW that there was the brilliant flash of a nuclear detonation in our future, and the future ended right there.

Yes, I agree. And since we're told we don't have to worry about that anymore, I realize how many times I lay in bed looking out my window across the bay at Oakland, and pictured the fireball, the flying glass, etc. Strange times, indeed.

Best Regards,

Dick Dillman/WPE2VT  
<ddillman@igc.apc.org>  
San Francisco

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: "Dave Emery" <die@pig.die.com>  
Subject: Re: CONELRAD Techniques  
Message-ID: <9507230412.AA00506@pig.die.com>

> On Sat, 22 Jul 1995 20:50:14 -0500 (CDT),  
> TOM.A.ADAMS@mail.admin.wisc.edu <TOM.A.ADAMS@mail.admin.wisc.edu> wrote:  
>

> > In a Continental catalogue, I was surprised to find in the list of options  
> >for their 50 KW AM rig a CONELRAD kit. In the event of attack this monster rig  
> >could be dragged halfway across the band from its assigned frequency to 640  
> >or 1240 KHz in under 2 minutes.

Somehow the thought of some poor kid serving as the night transmitter engineer who has just learned he may well be toast inside of 15 minutes doing this and getting it tuned up right boggles the mind.

Did they ever conduct a test and actually do this ?

Dave Emery N1PRE

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995



From: durham@w2xo.pgh.pa.us (James C. Durham)  
Subject: Re: CONELRAD Techniques  
Message-ID: <199507230513.BAA04602@w2xo.pgh.pa.us>

"Dave Emery" <die@pig.die.com> wrote:

>> On Sat, 22 Jul 1995 20:50:14 -0500 (CDT),  
>> TOM.A.ADAMS@mail.admin.wisc.edu <TOM.A.ADAMS@mail.admin.wisc.edu> wrote:  
>>

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>> >for thier 50 KW AM rig a CONELRAD kit. In the event of attack this monster rig  
>> >could be dragged halfway across the band from it's assigned frequency to 640  
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> Somehow the thought of some poor kid serving as the night transmitter  
>engineer who has just learned he may well be toast inside of 15 minutes  
>doing this and getting it tuned up right boggles the mind.

> Did they ever conduct a test and actually do this ?

> Dave Emery N1PRE

Now, waaaaaaait a minute, Dave. Conelrad was in the 50'and early  
60's \*before\* they watered down the 1st Class Phone license test.  
Any "kid" with a 1st in those days could probably \*build\* you  
a 50KW rig..let alone tune it up! He didn't get his ticket with  
memorizing "A", "C", "F" for the multiple-choice tests they used  
in the late 60's and after.. 8-) .

-Jim, W2X0

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: "Dave Emery" <die@pig.die.com>  
Subject: Re: CONELRAD Techniques  
Message-ID: <9507230713.AA00665@pig.die.com>

>  
>  
> Now, waaaaaaait a minute, Dave. Conelrad was in the 50'and early  
> 60's \*before\* they watered down the 1st Class Phone license test.  
> Any "kid" with a 1st in those days could probably \*build\* you  
> a 50KW rig..let alone tune it up! He didn't get his ticket with  
> memorizing "A", "C", "F" for the multiple-choice tests they used  
> in the late 60's and after.. 8-) .

That may be true of the late 50's or very early 60's. But I got

my First phone in the summer of 1965 between my sophomore and junior years in high school at the FCC office in Boston, and remember the test was multiple choice then. I don't remember when Conelrad ended.

I do know that the test questions were not published or public back then and that the FCC took maintaining their secrecy fairly seriously (they forbade taking any paper or notes of any kind away from the test room).

On the other hand I don't remember that the exam was really that hard - certainly not more than technician level theory was required, and while one certainly had to have studied broadcast radio regulations to answer those questions it wasn't really that formidable a test (I passed easily on the first try and not then being a ham (I'm dyslexic and allergic to cw) I had actually never tuned up a transmitter in my whole life when I took the exam).

So you've piqued my curiosity - I've often heard rumors of an era when FCC exams were essay type tests full of "draw a schematic of a superheterodyne receiver with bfo...", but am quite sure that that era had ended before about 1960. And I've often wondered how they graded those essay tests - you couldn't just hack the circuit into Spice or some other simulation system and see if it would work ...

Of course I'm no fan of the current system with limited published question pools that a diligent idiot can totally memorize without a whit of understanding.

>  
> -Jim, W2X0  
>

Dave Emery N1PRE

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: "Roberta J. Barmore" <rbarmore@indy.net>  
Subject: Re: CONELRAD Techniques  
Message-ID: <Pine.3.89.9507230237.B22701-0100000@indy1>

Hi!

> > TOM.A.ADAMS@mail.admin.wisc.edu <TOM.A.ADAMS@mail.admin.wisc.edu> wrote:  
> > > [...] 50 KW AM [...] CONELRAD kit. In the event of attack this  
> > > monster rig could be dragged halfway across the band [...] in under 2  
> > > minutes.

On Sat, 22 Jul 1995, Dave Emery wrote:

> Somehow the thought of some poor kid serving as the night transmitter  
> engineer who has just learned he may well be toast inside of 15 minutes  
> doing this and getting it tuned up right boggles the mind.

But therein lies the beauty of the thing; typically, the Conelrad mods involved \*switching\* every tuned circuit in the transmitter--either whole different resonant circuits, or preset taps or parallel condensers; whatever it took.

In the case I know best (because the internal workings were a mystery, the docs locked up in the CE's office and thus every transmitter tech traced it out), WBAA (5kW DA-N, 920 kc) could be put on the Conelrad freq by one twist of a keyswitch; the plate voltage was shut off, relays and contactors thunked and clattered, and bam, up it came. Purdue owns WBAA, so the ops were mostly EE students--and the Chief wasn't about to trust 'em to retune the rig! Most installations were similar, though, since the whole idea was to be able to do it \*rapidly.\*

WBAA's did have one unusual feature: anticipating the possibility of enemy agents posing as students (or whatever), they'd installed a dry pair from the transmitter out to the nearest phone company terminal box, a half-mile down the road. At that point, there was a shorting jumper, and the loop was in the transmitter's interlock circuit, with the connections hidden and a piece of empty wire--"spaghetti"--with short lead glued in the ends visibly bridging the terminals. Yes, when the Bady Guys took over the site and ran it as a homing beacon, it was possible to pull the plug from a ways down the road. As far as I know, they never took that out--but they don't run the old Collins much any more; a little Gates replaced it quite awhile back. But somebody's goping to be very mystified some fine day, when the phone company yanks that pair and it comes time to check out the backup transmitter!

73,  
--Bobbi

(PS, what's all this "no worry" stuff? Ummm, hate to say this but there's still missiles pointed at us, sorry. We've been real lucky so far; maybe our luck will hold, but it's not time \*yet\* to dance in the streets. Maybe someday, I hope).

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: "Tony Stalls (K4KY0)" <j38@clark.net>  
Subject: Re: CONELRAD Techniques  
Message-ID: <Pine.SOL.3.91.950723083825.25014B-1000000@clark.net>

On Sun, 23 Jul 1995, Dave Emery wrote:

> >  
> >  
> > Now, waaaaaaait a minute, Dave. Conelrad was in the 50's and early  
> > 60's \*before\* they watered down the 1st Class Phone license test.  
> > Any "kid" with a 1st in those days could probably \*build\* you  
> > a 50KW rig..let alone tune it up! He didn't get his ticket with  
> > memorizing "A", "C", "F" for the multiple-choice tests they used  
> > in the late 60's and after.. 8-) .  
>  
> That may be true of the late 50's or very early 60's. But I got  
> my First phone in the summer of 1965 between my sophomore and junior  
> years in high school at the FCC office in Boston, and remember the test  
> was multiple choice then. I don't remember when Conelrad ended.

As I recall, it only lasted about three years. There's no mention of it  
in my 1964 ARRL Handbook, so it was definitely gone by then.

> I do know that the test questions were not published or public  
> back then and that the FCC took maintaining their secrecy fairly  
> seriously (they forbade taking any paper or notes of any kind away from  
> the test room).

The #1 study guide was Milton Kaufman's "Q&A Manual" back then. It was,  
as the title implied, in a question and answer format, but rather than  
the verbatim multiple choice cheat-sheet answers given today, it discussed  
the answer in narrative form that sometimes went on for pages. It was  
designed for learning rather than memorizing.

> On the other hand I don't remember that the exam was really that  
> hard -

No exam is hard if you're familiar with the material. The fact that you  
thought it was easy is a credit to you. I didn't and didn't pass it the  
first couple of times I took it.

> certainly not more than technician level theory was required,

All the FCC exams came from Schrader's "Electronic Communications" which I  
believe was essentially a trade school textbook. Having a First Class  
Radiotelephone license usually afforded a job title of "Engineer" at  
broadcast stations, but in fact most were really technicians.  
Unfortunately, the meaning of the term has been grossly denigrated,  
particularly since about 1991.

> So you've piqued my curiosity - I've often heard rumors of an  
> era when FCC exams were essay type tests full of "draw a schematic of  
> a superheterodyne receiver with bfo...", but am quite sure that that era  
> had ended before about 1960. And I've often wondered how they graded

> those essay tests - you couldn't just hack the circuit into Spice  
> or some other simulation system and see if it would work ...

When I took my amateur exams, although they were mostly multiple choice, there was a section on circuit diagrams. As I recall, I had to draw a full wave rectifier with a choke input filter, a colpitts oscillator, and a couple or three more on my General Class exam in 1957. There were none on my Advanced Class test back around 1974.

> Of course I'm no fan of the current system with limited  
> published question pools that a diligent idiot can totally memorize  
> without a whit of understanding.

Leave out the "diligent" part and I'll agree with you 100%. :-)

73,  
Tony  
K4KY0

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: Kevin J Pease <kevin@mm1001.theporch.com>  
Subject: Re: CONELRAD Techniques  
Message-ID: <Pine.LNX.3.91.950723113807.16496C-1000000@mm1001.theporch.com>

Maybe since we are all not worried about the thret of nuclear war this could be clasified as mor dangerous than the cold war days. Now it would catch all of our off guard public and officials by surprise whenb some third world country launched a barauge of surplus russian missles at us and desimated manny of our major cities. I am sure that our government is watching but the more years that pass by since the end of the cold war and the more pressure that is put on our post cold war budget and the more isolationist that we get the more real the threat becomes.

Kevin J Pease  
WB0JZG Mt Juliet, TN.  
mm1001.theporch.com

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: TOM.A.ADAMS@mail.admin.wisc.edu  
Subject: CONELRAD tests  
Message-ID: <F7MN4827.F7MN4837@mail.admin.wisc.edu>

to: boatanchors@theporch.com

Re. tests of the CONELRAD system:

I can remember two national tests of the system.

Both times they sorta loaded the dice to make sure they went well. The last test was sometime in the early '60s, and everyone knew about them weeks in advance. They were carried out during normal working hours.

The idea of some kid getting an activation pulled on him in the middle of the night is right on the money; THAT would have been the weak link in the system, and actually it still is the weak link in the EBS system.

I've seen at least two actual activations (caused by weather emergencies) in which the weekend operator at the CPCS-1 for this area (Common Program Control Station where EVERYBODY gets thier program feed) forgot to flip the switch which put the emergency programming on thier FM outlet. WE monitor FM, but most folks in the area monitor the AM side of the station. The result was that we got the EBS activation tones, followed by dead silence for the duration of the emergency message.

73's,

Tom, K9TA

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995

From: Grant Youngman <gyoungma@gtetel.com>

Subject: Re: Era of "CD" dial markings

Message-ID: <Chameleon.4.01.2.950722201154.gyoungma@gyoungma.gtetel.com>

>On Sat, 22 Jul 1995 18:10:43 -0500 (CDT),

>Grant Youngman <gyoungma@gtetel.com> wrote:

>

>>Indeed, they did -- the model CA-1. It was designed to sense the AVC  
>>voltage on a receiver -- using this as a way to tell if a monitored  
>>(Conelrad) station went off the air. If it did, the unit would cut  
>>AC power to your transmitter (presuming it was plugged in to the  
>>CA-1) and light a red light.

>

>I will bow to your expertise on this Grant, but my memory is that the key  
>CONELRAD station in the area took the carrier off the air twice, for  
>specified times, then came back on with a tone. This, in combination, set  
>off the CONELRAD monitirs which, as the Heath unit implies, all amateurs  
>were supposed to have (although it was said that a normal AM radio would do  
>- somehow).

>

:~) Bowing to my "expertise" would be a mistake, since I have none here. And never used one of the CA-1s. All I know about it is the brief info given in the Handbook ad from 1959 -- which implied an AVC connection to the receiver was necessary. I was pretty much stabbing in the dark ..

Grant/NQ5T

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: "Tony Stalls (K4KY0)" <j38@clark.net>  
Subject: Re: Era of "CD" dial markings  
Message-ID: <Pine.SOL.3.91.950722234347.19338A-100000@clark.net>

On Sat, 22 Jul 1995, Grant Youngman wrote:

>  
> >  
> >BTW, I beleive that I can recall Heathkit having a Conelrad monitor kit,  
> >but that might be like my having thought they had an external modulator  
> >for the AT-1 too. ;~)  
>  
> Indeed, they did -- the model CA-1. It was designed to sense the AVC  
> voltage on a receiver -- using this as a way to tell if a monitored  
> (Conelrad) station went off the air. If it did, the unit would cut  
> AC power to your transmitter (presuming it was plugged in to the  
> CA-1) and light a red light.  
>  
> Big price, too --- \$13.95 :~))

Thanks Grant...

Now that you mention it I do remember that. I also remember that I built the one in the QST article that can be found in the 1957 ARRL Handbook that I have and the parts to built it, including the Bud minibox and the pilot light assemblies, cost more than the Heathkit. I recall being upset by having squandered extra money from my high school kid budget.

73,  
Tony  
K4KY0

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: Kevin J Pease <kevin@mm1001.theporch.com>

Subject: Re: Era of "CD" dial markings

Message-ID: <Pine.LNX.3.91.950723100847.16496A-1000000@mm1001.theporch.com>

I have a conalrad receiver made by Motorola. It still works. It has a big light that is activated by a tone decode circuit. It is of course a tube BA. It is a 6 channel receiver with a squelched speaker. 5 of the channels are XTAL controlled with one of the channels tuneable with a Varriable slug. Kind of neat. and still works good as a AM BCB receiver.

Kevin J Pease  
WB0JZG Mt Juliet, TN.  
mm1001.theporch.com

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995

From: jml@spider.lloyd.com (Jim Lockwood)

Subject: Re: Era of "CD" dial markings

Message-ID: <m0sa4t9-0010M5C@spider.lloyd.com>

At 03:59 PM 7/22/95 -0500, Tony Stalls (K4KY0) wrote:

>

>

>BTW, I beleive that I can recall Heathkit having a Conelrad monitor kit,  
>but that might be like my having thought they had an external modulator  
>for the AT-1 too. ;-)

>

Others have already pointed out that Heath did offer the CA-1 Conelrad alarm. My contribution is an interesting quote from the manual for the CA-1:

"When properly connected, the CA-1 will not permit transmitter operation unless a station is being monitored for an alert. It also will shut down the transmitter in the event of an alert. This precludes the possibility of \*your\* station being the recipient of a guided missile which is using the antenna for a homing device."

Taking cover now....

Jim - km6nk

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995

From: HAMRLUND@aol.com

Subject: F.S. MANUAL EICO 730 MODULATOR



Message-ID: <950722212335\_38619673@aol.com>

I CAN OFFER COPYS OF THE MANUAL FOR THE  
EICO 730 MODULATOR.

PRICE INCLUDES SHIPPING  
\$15.00

ROBERT FOWLE  
1215 WINIFRED  
JACKSON, MICH. 49202-1946

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: HAMRLUND@aol.com  
Subject: F.S. MISC. TEST EQUIP. MANUALS  
Message-ID: <950723091021\_120979290@aol.com>

I HAVE THE FOLLOWING FOR SALE:  
PRICES INCLUDE SHIPPING.

B&K  
283 \$13.00  
177 \$13.00  
465 \$13.00  
700 \$13.00 HAVE 2  
160 \$13.00  
176 \$13.00  
500 TUBE CHART \$ 13.00  
650 ILD COPY \$ 8.00

DUMONT  
5890-C 15.00  
5890-B 15.00  
T-301-RT/T-301-RTA \$15.00  
T-101-RT 15.00  
MCA-366-A 15.00  
ADDENDUM FOR MAN.'S 6703 3401 & 6703 5231 COPY 14.00  
ADDENDUM FOR 5861-(A) MAN. # 2971 COPY 14.00  
5819-A 15.00  
T-403-RT 15.00  
M-430-RTN 15.00  
T-301RT & T-403RTN 15.00  
401-R COPY 14.00  
304-A COPY 14.00

INTERNATIONAL CRYSTAL

FM-2400-C 10.00

MERCURY

1100CK & TUBE CHART 15.00

RADIO SPECIALTY

1160-16-1 13.00

FERRIS 22A 13.00

G.E. BT-1-B /MODEL 4BT1B1 15.00

TRIPLET

631 10.00

3432 COPY 6.00

WINSTON

150 6.00

SPRAGUE

KT-1 8.00

SANWA K-30TH 6.00

E.M.C. 206 6.00

SYLVANIA 134 11.00

JACKSON CRO-2 15.00

MORROW

3BR 10.00

PRECISE

635 11.00 HAVE 2

630 11.00

PRECISION

120 11.00

85 13.00

RCA

SSB-1 MARK 2A 13.00

CSU-15B 13.00

MI-15610 11.00

CM-1A,CM-2A,CT-1A,CT-2A,CT-3A & CR-1A,CR-2A,CV-1A,CV-1B 13.00

TMV-75-B 15.00

301-B/MI-7549-A 15.00

RT-7B & BA-7B 13.00

BTE-10B & BTX-1A 13.00

WR-49A 11.00

WV-77A (no cover) 9.00

SECO 107-C 6.00

SPECO AS-100D 6.00

SENCORE TRANSI-MASTER 6.00

THATS IT FOR THIS LIST

ROBERT FOWLE  
1215 WINIFRED  
JACKSON, MICH. 49202-1946

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: HAMRLUND@aol.com  
Subject: F.S. CENTRAL ELECTRONICS (NIB)  
Message-ID: <950723121548\_38884754@aol.com>

I HAVE (1) STILL NEW IN THE BOX(SHIPPING TAG DATED .OCT.6,1956)  
GC-1 KIT, GATED COMPRESSION AMPLIFIER.

YOU PUT THIS BETWEEN THE RECEIVER AND SPEAKER, IT WOULD COMPRESS A 40DB  
SIGNAL DOWN TO 3DB (1956 VERSION OF A.G.C.).

THIS IS A NICE ADDITION TO ANY C.E. STATION.  
PRICE INCLUDES SHIPPING.....\$145.00

THINK ABOUT IT, NEW IN THE BOX FOR 39 YEARS.....

ROBERT FOWLE  
1215 WINIFRED  
JACKSON, MICH. 49202-1946

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: HAMRLUND@aol.com  
Subject: F.S. MISC. MILITARY MANUALS  
Message-ID: <950722215112\_120795886@aol.com>

I HAVE THE FOLLOWING FOR SALE, ALL ARE ORIGINAL UNLESS  
MARKED DIFFERENT: THEY ARE ONE OF EACH ONLY.  
PRICE INCLUDES SHIPPING.

MODEL LM-7 SERIAL #'S 1 - 3021 \$13.00  
TM-11-666 \$13.00  
MODEL MN-5 \$13.00  
TYPE SCS-17 CONTROLLER \$10.00 NO COVER  
CMX-50128A \$13.00 TM-11-2241 \$13.00  
TYPE CRR-74028 \$13.00  
TM-11-300L \$13.00

SCHEMATIC ONLY BC-603 \$3.00

TEKTRONIX FIELD PUBLICATION ENTITLED  
"USING YOUR 535 OR TYPE 545 OSCILLOSCOPE "  
CONDITION: AS NEW \$13.00

THATS IT FOR THIS LIST

ROBERT FOWLE  
1215 WINIFRED  
JACKSON, MICH. 49202-1946

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: HAMRLUND@aol.com  
Subject: F.S. QST,CQ,RADIO,HAM RADIO  
Message-ID: <950723104453\_121004524@aol.com>

HAVE MANY UNSOLD COPIES OF QST(1931-1960)CQ(1946-1965)RADIO(1936-1942)  
HAM RADIO(1968-1971 & 1970-1972 IN ORIGINAL BINDERS)

98% OF THESE HAVE SURVIVED IN AS NEW CONDITION, SOME THE SPINE HAS NOT(BEING  
SHUFFLED BACK FORE IN THE STORE I GOT THEM FROM)

SINGLES: \$2.00 EACH, SHIPPING TO BE DETERMINED BY QUANTITY WANTED.  
ALL SINGLES HAVE BEEN POLY-BAGGED LIKE COMICS, TO REDUCE WEAR DURING  
SHIPPING.

BINDERED YEARS: \$24.00 + SHIPPING

ROBERT FOWLE  
1215 WINIFRED  
JACKSON, MICH. 49202-1946

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: n5off@w5ddl.aara.org  
Subject: Flag Capehart R-390???

Message-ID: <140693@w5ddl.aara.org>

Dave Stinson reported that his friend snagged a Capehart R-390 at  
Flagstaff.

That must have been an R-390A as all 390's were made by Collins and  
Motorola.

What a steal . . .

73 de tom

orig text follows

BUY OF THE FEST: CAPEHART R-390

Excellent, spotless. Original meters. Original covers.

Some color wear on the tuning knobs, otherwise sparkling. I spotted this as soon as it hit the ground. I swooped in and asked the price.

I tortured myself while fending-off my fellow vultures before deciding I \*must\* stick to my chosen field.

I pulled my trusty 2 meter hand held and called my friend Jon to come over \*-quickly-\*.

He took it home for \$100.

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995

From: Dave Stinson AB5S/7 <72227.1640@compuserve.com>

Subject: FLAGSTAFF FEST BA REPORT

Message-ID: <950723032329\_72227.1640\_EHM193-1@CompuServe.COM>

Fort Tuthill Hamfest Flagstaff, Arizona

21-22 July 1995

I'll keep it short and sweet. It was great, as always.

I had to come home half way through Saturday's session, but I was very happy with my finds. I just finished completely rebuilding and detailing my BC-375 and \*PING!\*, the Ground binding post disintegrates. Incredibly, I found the very NOS post in the bottom of a dusty old box of pieces/parts.

A replacement knob for one of my BC-221s;

a nice Taylor Tube T40 display for \$2. Boxes of tubes I need for one and two bucks. A dozen neat old crystal holders like Bliley ("For use by amateur and other experimenters only") and others for 25 cents each and on and on.....

I'll talk about a couple of special finds in another post.

Flea market tailgating was down from last year due to a sales tax stink started by one complaining old fart, but there were scads of boatanchors and treasures to be had. Most prices were moderate to high/negotiable, but there were some screaming deals. Generally speaking, prices set high meant rigs not sold. Here is just a sampling of the bizillion BAs there. I couldn't keep track of what sold and what didn't, but most prices were dickered-down and outlandishly priced stuff languished, as it should.

#### Military

T-20 and 21 ARC-5 transmitters unmodded/good \$30.  
(give you one guess who took them home).  
Lambda regulated 28 VDC 30 AMP power supply,  
which hurled its 100 lbs into my loving arms for \$40.  
Racal 1051 receivers good \$125-\$300 (yes, no kidding).  
ART-13 fair no book or rack \$80.  
BC-221s \$5-\$35.  
ARR-21 receiver (airborne R390),  
unmodded with rack \$250.  
RAL w/ supply dirty but working \$100.  
Black faced R-390 fair \$300.

#### Collins

180LS tuner modified \$100.  
KWM-2 w/rear ps \$650.  
30-L1 amp \$450.  
35-1 console amp complete/sparkling \$2000.  
75A1 excellent \$325.  
32V1 excellent \$425.  
Spotless S-line with 30-L1 \$2500 (ack!).

#### Drake

1A good \$100.  
2NT good \$75.  
TR4C xcvs w/ps and MS-4 \$200-\$350.  
Several T4/R4 stations \$225-\$350.  
R-7 excellent \$450.

#### Hallicrafters

SR-150 xcvr vgood \$225.  
Super Skyrider clean/nice \$120.  
Sky Buddy good \$65.  
SX-110 w/matching "h" spkr \$100.  
SX-71 good \$100.  
S-19R Sky Buddy vgood \$50.

#### Heath

HW-12 and DC supply \$45.  
HW-22 and DC supply fair \$25.  
DX-60 fair \$20.  
DX-40 with VF-1 good \$45 both.  
Lots of monobander DC supplies for \$5-\$20.  
HW-101s from \$80 (fair/working) to \$200.  
HW-101 station with all line accs less amp.  
(about seven pieces of gear) \$550.  
Seneca fair \$100.  
Warrior amplifier very good \$300.

SB-102 xcvrs good \$125 to \$180.  
SB-101 xcvr good \$125.  
SB-100 xcvr good \$100.  
SB-610 mon scopes \$65 to \$120.  
SB-401 rcvr dirty \$100.

#### Johnson

6N2 w/6N2 VFO good \$100.  
Ranger good/working \$150.  
Navagator good \$125.  
Valient 1 good \$225.

#### Other

Clegg Venus six meter rig excellent/complete \$150.  
Galaxy GT-300 fair/good complete with console \$80.  
Two SBE-34s, one a parter, other complete both \$45.  
Galaxy GT-550 & 550A excellent \$200.  
Zenith T.O. tube/portable/leather  
with gray wavemagnet in fold-up  
cover, complete and playing BBC \$40.  
HRO-50TI w/coils complete/sparkling \$500.  
Swan 350s fair to excellent, \$120-\$220.  
NIB Swan 700CX \$350.  
Central Electronics 100V good \$250.  
Hammerlund HQ-215 clean/nice \$100.  
Hammerlund HQ-129X good \$130.  
National NC-300 fair \$300.  
Morrow SBR-2 pair poor cosmetics \$15.

#### BUY OF THE FEST: CAPEHART R-390

Excellent, spotless. Original meters. Original covers.  
Some color wear on the tuning knobs, otherwise  
sparkling. I spotted this as soon as it hit the  
ground. I swooped in and asked the price.  
I tortured myself while fending-off my fellow vultures  
before deciding I \*must\* stick to my chosen field.  
I pulled my trusty 2 meter hand held and  
called my friend Jon to come over \*-quickly-\*.  
He took it home for \$100.

Only 364 days to Flagstaff!

73 DE AB5S/7 Dave Stinson  
Lost Wages, Nevada

From: Dave Stinson AB5S/7 <72227.1640@compuserve.com>  
Subject: FLAGSTAFF FOLLIES!  
Message-ID: <950723054424\_72227.1640\_EHM113-2@CompuServe.COM>

FLAGSTAFF FOLLIES

-or-

Snake Oil Salesmen Ham it up!

Watching some of the "I'm NOT a dealer!" dealers do their dasturdly deeds at a hamfest like Flagstaff is almost worth the trip. Where else can you get so much free entertainment? You'd think these guys would figure out that they'd make more money with less trouble flipping hamburgers at McDonalds then snakeoilling at a hamfest. And no, I'm not mentioning any names and if you think I'm talking about \*you\* then I'm not. So relax. Whatsa matter? Strike a nerve??

Anyways, key dealers are always a gas. Watching them buy up all the loose keys and then commence to con each other is a hoot. Lots of guys going around asking "got any keys?" to anyone with a table. Then they slither to the dealer with their kill and collect the bounty. I mentioned my beloved Vibroplex J-36 to one guy and watched as demons and dollars danced a jig in his sparkly eyes. I thought he was going to actually slobber. And the stories the dealers tell--

"Why, that baby was THE key from the Titanic! It was saved at the last minute by Lightoller himself!  
You don't remember the Titanic? Wait! I'm mistaken!  
That key was used by Ike during the Normandy Invasion!  
Norman who? Oh, no that was one from Vietnam!  
yeah yeah that's the ticket!" Well--you get the idea.

The biggest kick this time around was an old late-'20s early-'30s speaker. I forgot to write down the name. It was the big, 12"-around thing that sits vertically on the table and looks just like a Tootsie-Roll Pop. It was in good shape, with all the grill cloth intact. I saw it friday morning for \$25. I spied it again later at another table for \$40, and yet AGAIN at a third table that afternoon for \$60! The guy at the last table told me he inherited it from his precious grandmother, God rest her sainted soul, who only listened to it on Sundays for the gospel radio shows. He looked me straight in the eye, too! I didn't see it later. Some poor young Gomer probably said "Garsh, Mister!" and bought the wretched thing. I hope it found a good home. You gotta figure these guys sell used cars for a living. Or maybe insurance.



Dave AB5S/7

p.s. No, I \*don't\* hate or oppose all dealers.

Most of them are pretty decent guys, actually.

If you're insulted, see paragraph one above. heh heh.

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995

From: Nina West <ninaw@u.washington.edu>

Subject: Re: Hammarlund SP-600

Message-ID: <Pine.A32.3.91j.950722180706.39920B-100000@homer19.u.washington.edu>

Dick,

Thanks for the info. I just checked the tuning cap cover and there are two holes where a tag used to be attached. I had a message from Robert Fowle (HAMRLUND@aol.com) and he thought that I had an SP-600-JX-6.

I've got a couple of new questions for you. Where is V13? I can find all the other tubes, but over in the left rear of the chassis it jumps from V12 to V14.

Also, I have never heard of Fine Tuning Proceedings. Do you have their address?

My other radios are a Collins R-388, RCA RAK-5, and Hallicrafters S-108.

Thanks again for your help

Fred Powell

c/o

ninaw@u.washington.edu

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995

From: "Dick Dillman" <ddillman@igc.apc.org>

Subject: Re: Hammarlund SP-600

Message-ID: <83720.ddillman@igc.apc.org>

On Sat, 22 Jul 1995 21:34:47 -0500 (CDT),

Nina West <ninaw@u.washington.edu> wrote:

>Thanks for the info. I just checked the tuning cap cover and there are  
>two holes where a tag used to be attached. I had a message from Robert  
>Fowle (HAMRLUND@aol.com) and he thought that I had an SP-600-JX-6.

The tag snatcher strikes again! Why do people \*do\* that? The tags certainly can't be worth anything to them. I was going to suggest you contact Robert, but I was pretty sure he would pop up on his own when he saw your post.

>I've got a couple of new questions for you. Where is V13? I can find  
>all the other tubes, but over in the left rear of the chassis it jumps  
>from V12 to V14.

V13, let's see. According to the manual it's a 6C4 acting as the BFO oscillator so, taking a peek along the BFO control shaft - ah, there it is. On my JX-17, V13 is located behind the band spread tuning dial and to the left of the shaft that goes from the BFO control on the front panel to T6, the BFO assembly.

>Also, I have never heard of Fine Tuning Proceedings. Do you have  
>their address?

They have been around since 1988 but I too have only recently found out about them. After one look at the publication I immediately ordered all the back issues - and there are not that many since it's been an annual publication and now publishes once every two years.

Anyway, the publication is in 8-1/2" x 11" format and about 1/2" thick. It tries to be a scholarly publication dealing with the DXing hobby, primarily in the AM broadcast and tropical bands. It pretty much succeeds in its goal, especially in the later issues. They deal with propagation, antennas, peripheral equipment and, of course, receivers, both BA and modern. The articles are well researched and well written. Highly recommended even if you, like me, are not primarily interested in this type of DXing.

Contact them at:

Fine Tuning's Special Publications  
c/o John Bryant  
Rt. 5, Box 14  
Stillwater, OK 74074

>My other radios are a Collins R-388, RCA RAK-5, and Hallicrafters S-108.

Ah, very nice units. I myself have acquired a pretty big and weighty collection of oldies, including:

51J-4, RACAL RA-17L, TMC GPR-90RX, R-390A, the two SP-600s, HRO-5T, RAL, SX-28A, S-27 and the RBA/B/C series. Sheesh, I hope I never have to move!

Best Regards,

Dick Dillman/WPE2VT  
<ddillman@igc.apc.org>  
San Francisco

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: Re: Hammarlund SP-600  
Message-ID: <Pine.SUN.3.91.950723091343.21970B-100000@coyote.rain.org>

On the missing tags, there is one possible reason that makes very good sense. If that second tag was a "property tag" (carrying a plant account number) \*and\* the SP-600 had been "liberated" either from a base or from original MARS custody, then the seller at that time would have had every reason in the world to remove it prior to sale!

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: bill@texan.frco.com (William Hawkins)  
Subject: HP Oscillators (Audio, that is)  
Message-ID: <9507230500.AA19190@texan.frco.com>

Started my engineering career in 1960, so it's only natural that I developed a healthy respect for HP equipment (and Tektronix and GR and L+N). Also naturally, I never owned one of my own. So, with all this pent up enthusiasm, when I saw HP oscillators for sale a few years ago, I stocked up.

You've already heard about the tube in the 200AB. Turns out it was intermittent! Try it in the equipment - no soap. Pull it and test it - no problem. The heater glowed reassuringly all the time, so maybe it was a cathode problem.

The rack mount 200AB saw too much humidity. Everything has cleaned up nicely except the big aluminum dial. It has tiny pit corrosion all over it, and I don't know what to do. The dial is engraved, so it will take some polishing.

Then there's the two 200B's. These are earlier than the 200AB, though the AB is clearly descended from the B. One has a serial number, and looks like a production item. The other has no serial number, and looks like a prototype. Quite different underneath than the production unit.

The reason I mention this is that I have a shelf space problem. The 200B's are perhaps historically interesting, but I'd like them to go to someone with a more intense historic interest than I have, having been sated with HP oscillators. The HP 200CD is a more recent design which I do not have. Perhaps a trade? Perhaps Bill Hewlitt has been longing for the lost prototype of the 200B? [dream on ...]

In case there's no interest in the historical use of these beasts, each used a 4 gang variable capacitor with precision tuning. Might make a nice VFO. The AB units had mechanical vernier tuning.

Disturbed by the lack of asking price for this equipment? I thought that was the way things were done these days. Look at the ads for new ham gear - you won't find a price!

HP Oscillators - Inquire Within.

Bill Hawkins bill@bvc.frco.com

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: MEC <danmec@inet.uni-c.dk>  
Subject: Re: Japan Bashing AND Liddy  
Message-ID: <Pine.3.89.9507230751.A25940-01000000@inet.uni-c.dk>

> On Fri, 21 Jul 1995, Bill Kleronomos wrote:

>

> > The bottom line for me on overseas sales of BAs and tubes is it's not a  
> > two-way street. NEVER do I see any FS ads for BAs posted from JA land in  
> > spite of the fact that the US military left tons upon tons of SP-600-JX-XXs,  
There could be a good reason why this never showed up on the surplus market in Japan.

In my native Norway US equipment was destroyed by orders by the US Government when it was faced out . ( It was the property of US Gvnmt ). For political reasons this stuff was not wanted out on the market. The same could have been the case in Japan, OR the equipoment may have been shipped back to USA. Governments move in mysterious ways sometimes !

> > Collins and other BA gear there in the mid-50s when they pulled out. There  
> > may very well be far more SP-600-VLF models and SX-73s in JA land today than  
> > there are here. Regardless of the bigger pictures on politics and economic  
> > philosophy presented here (and all darn interesting posts, too!), I simply  
> > feel it's like dealing with a well-heeled neighbor that keeps borrowing the

> > lawn mower, hedge clippers and other tools, feels like showing up at dinner  
> > time twice a week and then refuses to take you to the grocery when your  
> > car's in the shop. This generally results in the welcome mat being replaced  
> > with a Rottweiler.

>

> What an unfair thing to say... ABOUT ROTTWEILLERS. ;-)

and the Japanese , if that what it is meant ?

>

> I don't know that I'd call any of the current crop "great writers", but at  
> least Rush Limbaugh admitted that he's a showman first and foremost during  
> an interview on one of the "news magazine" shows a while back. I doubt  
> that any of the others would.

I have seen him on TV over there. He must be out of his mind !

>

> The Jenny Jones, Sally Jesse Raphael, Geraldo, et al crowd are in a  
> different league in my book. Rush, Liddy, and

Ollie North

What a crook !

It is amazing anybody wants to listen to him.

get people

> talking about issues and current events while the aforementioned  
> essentially are running nothing more than modern day versions of carnival  
> freak shows.

>

Rgsd Rag OZ8RO

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995

From: MEC <danmec@inet.uni-c.dk>

Subject: Litterature FS

Message-ID: <Pine.3.89.9507231228.A4926-01000000@inet.uni-c.dk>

I have the following available :

1.

Radio and television Engeers' reference Book. Editor: E. Molloy.  
Printed in London 1956.

Approx. 3 inches thick !

2.

Radio Designer's Handbook. editor F. Langford-Smith  
Printed in London 1955.

1500 pages.

Offers ?

73 Rag OZ8R0

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: Robert2039@aol.com  
Subject: RE: love them dits QST article  
Message-ID: <950722223622\_120818723@aol.com>

In a message dated 95-07-18 21:57:17 EDT, you write:

>Date: Tue, 18 Jul 1995 11:22:43 -0400 (EDT)  
>From: Bill Strangfeld <bstrang@iac.net>  
>To: WaltN@aol.com  
>Subject: Re: QST article needed...  
>Message-ID: <Pine.SUN.3.91.950718112016.12387C-100000@little-miami.iac.net>

>

>

>

>> A friend, WB5JWI, is looking for an article from (he believes) the 60's  
>> entitled "Love Those Ripplin' Dits"...ring a bell with anybody??

>>

>

>"Love Them Dits," John Troster, W6ISQ, QST, 7/62, p. 45. One of the many  
>John Troster satires that QST used to run.

>

>

Send me your name & address. I'll be happy to photocopy that article and send  
it to you!

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: HAMRLUND@aol.com  
Subject: MISSED ONE,F.S. G.E MANUAL YGS-3  
Message-ID: <950723103053\_120998694@aol.com>

SELL FOR \$13.00 SHIPPED (ORIGINAL)

ROBERT FOWLE  
1215 WINIFRED  
JACKSON, MICH. 49202-1946

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: "Tony Stalls (K4KY0)" <j38@clark.net>  
Subject: More Bad News for CW  
Message-ID: <Pine.SOL.3.91.950723102113.11872B-100000@clark.net>

I picked up the following USAF MARS broadcast. Unrelated administrative items at the end have been deleted.

-----<TEXT FOLLOWS>-----

Forwarding path: AFA2OS AFA2ZS AFA1UN AFA1NC

FROM: CHIEF, USAF MARS  
TO: ALL USAF MARS MEMBERS  
GRNC  
BT  
UNCLAS

SUBJ: MARS BROADCAST NUMBER 21, DATED 19 JUL 1995 (EXP: 19 JAN 96)

ITEM 043: ASD/C3I MEMO. THE FOLLOWING MEMO, DATED 28 JUNE 1995 WAS RELEASED BY THE ASSISTANT SECRETARY OF DEFENSE FOR COMMAND, CONTROL, COMMUNICATIONS AND INTELLIGENCE, SUBJECT: MARS CONTINUOUS WAVE (CW) MORSE CODE:

QUOTE, EFFECTIVE OCTOBER 1, 1996, IT IS DIRECTED THAT THE CW MODE OF COMMUNICATIONS WILL NO LONGER BE USED ON ANY DEPARTMENT OF DEFENSE (DOD) MARS CIRCUITS, NETWORKS, OR FREQUENCIES.

MARS HAS BEEN STEADFASTLY EVOLVING TO NEWER TECHNOLOGIES TO IMPROVE SERVICE. TECHNOLOGY SUCH AS SINGLE SIDE BAND REPLACED AMPLITUDE MODULATION TO PROVIDE GREATER FREQUENCY EFFICIENCY. LIKEWISE, PACKET RADIO, AMTOR, PACTOR, GTOR, AND CLOVER MODES OF OPERATION HAVE REPLACED RADIO TELETYPE. CW USE AND NEED IN MARS COMMUNICATIONS HAS DIMINISHED OVER THE YEARS. IT IS RECOGNIZED THAT CW CAN NO LONGER COMPETE WITH THE RAPID ADVANCEMENTS IN RADIO TECHNOLOGY. THEREFORE, CW IS TO BE RETIRED FROM USE WITHIN THE DOD MARS. SIGNED, EMMETT PAIGE, JR. UNQUOTE.

<The remainder of the message containing unrelated administrative USAF MARS matters has been deleted for brevity.>

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: klzat@bah.com  
Subject: Re: More Bad News for CW  
Message-ID: <Pine.SUN.3.91.950723122216.14801C-100000@booz.bah.com>

Tony --

On Sun, 23 Jul 1995, Tony Stalls (K4KY0) wrote:  
> CW IS TO BE RETIRED FROM USE WITHIN THE DOD MARS. SIGNED, EMMETT  
> PAIGE, JR. UNQUOTE.

Interesting, particularly since Emmett Paige is W2IPG.  
He's live around the corner in Ft Wash MD.

jd

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: "Stephen M. Linscott" <linscot@rice.edu>  
Subject: Re: PTO List Need  
Message-ID: <Pine.3.89.9507231208.A657-0100000@is.rice.edu>

There is one in Bill Orr's article on correcting PTO end point calibration.  
This is in "Ham Notebook", Vol. 2. I thought I had typed it in some time  
ago. If I can't find it, I'll type it in again. It covers 17 of the  
PTO's.

73 de W5EGP

- Steve -

\*\*\*\*\*  
\* Steve Linscott Divisional Consultant Natural Sciences \*  
\* IS User Services Rice University Houston, Texas \*  
\*\*\*\*\*

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: PTO List Needed  
Message-ID: <Pine.SUN.3.91.950722214055.4894B-100000@coyote.rain.org>

>From recent posts, it appears we now need a list of Collins PTOs, similar  
to the one in the Archives for mechanical filters. Who's gonna bite on  
this one? Can it even be done? (i.e., did Collins ever publish a list  
or catalog of those things, as they did for mechanical filters?)



From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: Rolf.Jansson@stax.slu.se  
Subject: r-390a made year ?  
Message-ID: <9507231951.AA07806@nana.slu.se>

Hi folks is there a way to get the made of year on my r-390a, by  
looking inside it ???  
Regards Rolf

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: TOM.A.ADAMS@mail.admin.wisc.edu  
Subject: Re. ART-13 differences  
Message-ID: <F7MM3508.F7MM3519@mail.admin.wisc.edu>

to: boatanchors@theporch.com

Re. the low frequency VFO on one of your rigs:

The LF VFO was an optional accessory that could be had for the rig. There were two versions of it. This unit is a plug-in module.

The Air Force version covered 200 - 600 KHz. The Navy version covered 200 - 1500 KHz.

The transmitter PA tank circuits cannot cover long wave. You will notice a position on the channel selector switch marked LF. In that position an internal relay is activated which (A) connects the LF VFO module directly to the 813 PA grid, disconnecting the HF exciter, and (B) switches the 813 plate circuit from the internal HF tank circuits to one of the terminals on the insulated panel on the left side of the cabinet. That terminal is connected to an external box which contains suitable long wave PA tank circuitry.

Even tho the 813 PA is a pretty prodigious tube, according to the manual the long wave output is limited to only a few watts, and on CW only. High power or AM would cause voltages in the external tank circuit box that would flash things over, mainly because the short antennas used in aircraft service were so short in relation to a wavelength at LF frequencies.

If you've got any other ART-13 questions, gimme a holler. I've got a manual for the beast; it's a pretty prodigious one for copying, but if absolutely necessary we can arrange something.

73's,

Tom, K9TA

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: TOM.A.ADAMS@mail.admin.wisc.edu  
Subject: Re. Collins PT0s  
Message-ID: <F7MK2828.F7MK2840@mail.admin.wisc.edu>

to: boatanchors@theporch.com

I've got a Collins PT0 here I've been trying to identify for awhile; since this thread has started, maybe it's time to ask if anyone has data.

This thing has two wire lead "pencil" tubes inside of it, and a small hunk of PC board with finger contacts for power and output.

The decal says it's a type 70H13.

Anybody know what frequency range it covers, and what the pinout is?

Tom, K9TA

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: durham@w2xo.pgh.pa.us (James C. Durham)  
Subject: rsmits please give me your correct address  
Message-ID: <199507230340.XAA02308@w2xo.pgh.pa.us>

Would rsmits@ham.island.net please give me a better address? I am very interested in any info on the Canon copier, but can't get mail to you at that address.

In the middle of all this, my internet provider hemorrhaged, so this is taking a Looooong time!

Thanks,

Jim Durham     durham@w2xo.pgh.pa.us / jcd@cs.pitt.edu   / durham@pgh.net

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: HAMRLUND@aol.com  
Subject: SOLD: CS-137 BOX OF XTALS  
Message-ID: <950723091426\_120980101@aol.com>

as it says, cs-137 xtal box is gone

Robert

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: bkh@bwab.se  
Subject: Re: SP-600 Crystal frequencies  
Message-ID: <199507231133.NAA28079@mailbox.swip.net>

>Also, how were the crystal frequencies used?  
>Thanks in advance  
>  
>Fred powell

In the commercial manual for Hammarlund SP-600 Issue 6, states  
this regarding crystal frequencies for SP-600JX.

>The oscillator or actual crystal frequency for a given signal  
>frequency shall be determined from the following:  
>  
>Signal freq MC                      Add IF freq.                      Mode of operation  
>  
>.75 to 7.39999                      .455                      Fundamental  
>7.4 (on 3.45 to 7.4 band)              .455 Se note              Fundamental  
>7.4 (on 7.4 to 14.8 band)              3.955 Se note              Fundamental  
>7.40001 to 12.04499              3.995                      Fundamental  
>12.0450 to 44.04499              3.955 divide sum by 3      3rd Harmonic  
>44.0450 to 54.0                      3.955 divide sum by 4      4th Harmonic  
>  
>NOTE. Since 7.40 mc is the signal frequency at which the intermediate  
>frequency is changed for double conversion and since this signal frequency  
>occurs at the high frequency end of the 3.45 to 7.4 mc band and also at  
>the low frequency end of the 7.4 to 14.8 mc band, it is necessary to  
>specify frequency band as well as Signal Frequency when ordering  
>crystals for exactly 7.4 mc signal operation.

BTW. Does anybody know where to get a manual for COLLINS Low Frequency  
converter 55G-1 (for 51S-1).

The catalogs from HI MANUALS and W7FG Vintage Manual has no information  
about this unit.

Greetings, Ben SM7BKH

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: WA6JYJ@ESHOP.UOREGON.EDU (Larry Laitinen WA6JYJ/AAR0ET)  
Subject: T-23/ARC-5 VHF Transmitter  
Message-ID: <950722222727.866c@ESHOP.UOREGON.EDU>

A pristine "new" condition T-23/ARC-5 VHF transmitter was spotted and acquired at the North Bend (Orygun) hamfest today for \$20. It has three of the four channels configured with crystals for freqs near 103, 124 and 142 MHz. I used one of these rigs back in 1961 on 2-meters for ARES/RACES nets. Modulated it with the Eico 730 modulator.

Anybody know when this rig first went into military service? When it was retired? What kind of aircraft did it serve in?

Thanks!

Larry, WA6JYJ/7  
laitinen@eshop.uoregon.edu

P.S. Another BA was also acquired: A Teletype M28 in a desktop cabinet... The price? Although I tried to charge to take it away, we settled on the peddler helping to carry it out to my truck... Even in a desktop cabinet these puppies are HEAVY!

From boatanchors@theporch.com Sun Jul 23 02:15:00 1995  
From: ad184@rgfn.epcc.Edu (Dale N Richardson)  
Subject: TTY  
Message-ID: <9507230109.AA18857@rgfn.epcc.Edu>

I have a US Army Signal Corps teletype Model TT-4/TG that I don't need. It has the canvas cover still and the manual TM11-2234, is still sealed in plastic. The machine is very clean and in very good condition. The teletype was made by Kleinschmidt and is olive drab in color. I welcome all offers. I also have a teletype table that is olive drab with all the power outlets, etc. It is marked MFP (moisture, fungus proof). This is pretty old but still in good condition. I think it is late 40's, early 50's. Weight is around 75 lbs or so. Dimensions are 36"w x 27"in h x 23.5"d. This is free to a good home. I don't think this is shippable so I would prefer local pickup in El Paso, Tx or vicinity. Thanks and 73..Dale AA5XE

--

Dale N. Richardson

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: jproc@worldlinx.com  
Subject: Tube Lead  
Message-ID: <Chameleon.4.01.2.950723134229.jproc@>

Dear BA's,

I just received a lead on some tubes from a fellow amateur. Apparently the person who has the tubes was going to throw them out! On top of the list are Taylor HV18's and 866's. If anyone is interested in these, contact :

Tom Montgomery  
VE3TM  
(905) 634-6994

Regards,

-----  
Jerry Proc    VE3FAB  
E-mail: jproc@worldlinx.com  
Radio Restoration Volunteer  
HMCS Haida    Toronto, Ontario  
-----

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: "Tony Stalls (K4KY0)" <j38@clark.net>  
Subject: Re: Tube Lead  
Message-ID: <Pine.SOL.3.91.950723135734.19090A-1000000@clark.net>

On Sun, 23 Jul 1995 jproc@worldlinx.com wrote:

> Dear BA's,  
>  
> I just received a lead on some tubes from a fellow amateur. Apparently the  
> person who has the tubes was going to throw them out!

That is disturbing to hear. I was listening to a conversation on the 2 meter repeater here one night and heard one guy say that he had a bunch of old tubes that he was going to use as targets when he went shooting his .22 rifle. He said that he had never heard of an 829B and figured they were worthless.

Yes, I broke in!

73,  
Tony  
K4KY0

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>  
Subject: Viking Adventurer-Type Circuit  
Message-ID: <Pine.3.89.9507231216.A21331-01000000@mesa5.mesa.colorado.edu>

My first rig in 1959 was a Johnson Adventurer. It used a 6AG7 oscillator and an 807 final. Oh, how I loved to see the blue glow of the 807 when I keyed it!

I now would like to build a cw only rig which uses an 6AG7 and an 807. I probably will use plug-in coils rather than the bandswitching that the Adventurer used.

Does anyone recall seeing a construction article in QST, the ARRL Handbook, or CQ (or anywhere else for that matter) during the 1950s for such a rig?

Thanks for any help you can provide.

73,

Jim Rybak W0KSD

From boatanchors@theporch.com Sun Jul 23 15:58:00 1995  
From: "Deane D McIntyre" <dmcintyr@ds1.acs.ucalgary.ca>  
Subject: Re: Viking Adventurer-Type Circuit  
Message-ID: <9507231942.AA32623@ds1.acs.ucalgary.ca>

In message <Pine.3.89.9507231216.A21331-01000000@mesa5.mesa.colorado.edu> writes:

> My first rig in 1959 was a Johnson Adventurer. It used a 6AG7 oscillator  
> and an 807 final. Oh, how I loved to see the blue glow of the 807 when I  
> keyed it!

>

> I now would like to build a cw only rig which uses an 6AG7 and an 807. I  
> probably will use plug-in coils rather than the bandswitching that the  
> Adventurer used.

>

> Does anyone recall seeing a construction article in QST, the ARRL Handbook,  
> or CQ (or anywhere else for that matter) during the 1950s for such a rig?

>

The 1953 ARRL handbook has a circuit for such a beast with plug in coils (p. 162) as well as a deluxe version using a 6AG7, a 6N7 as doubler and a pair of 807's in parallel (p. 171).

73, Deane D McIntyre VE6BP0  
dmcintyr@acs.ucalgary.ca